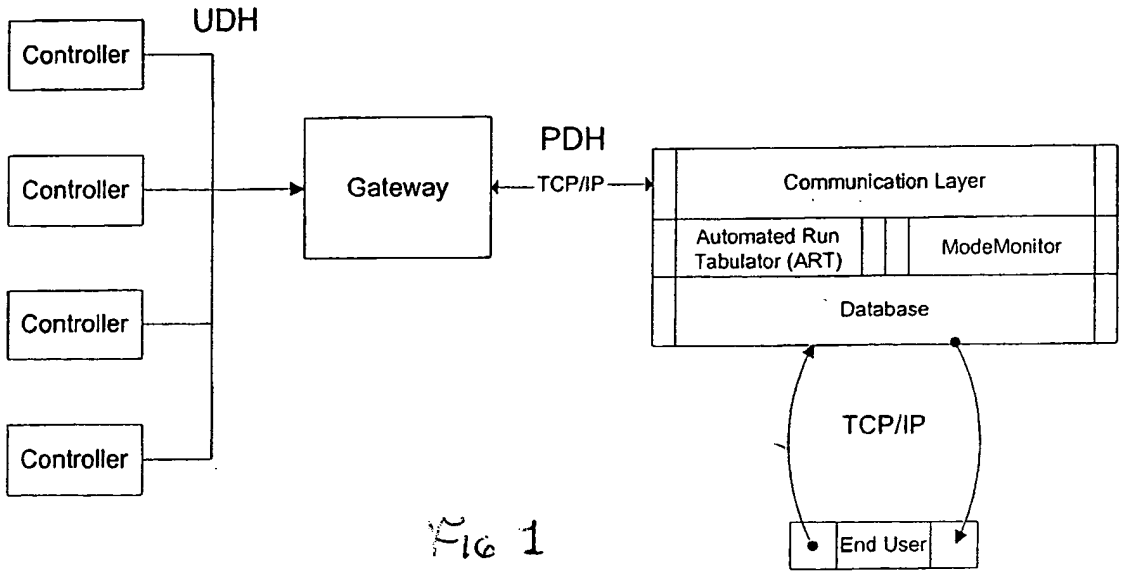
UDH
Controller
Controller
Controller
Controller
Gateway
PDH
TCP/IP
Communication Layer
Automated Run Tabulator (ART)
ModeMonitor
Database
TCP/IP
End User

Fig 1

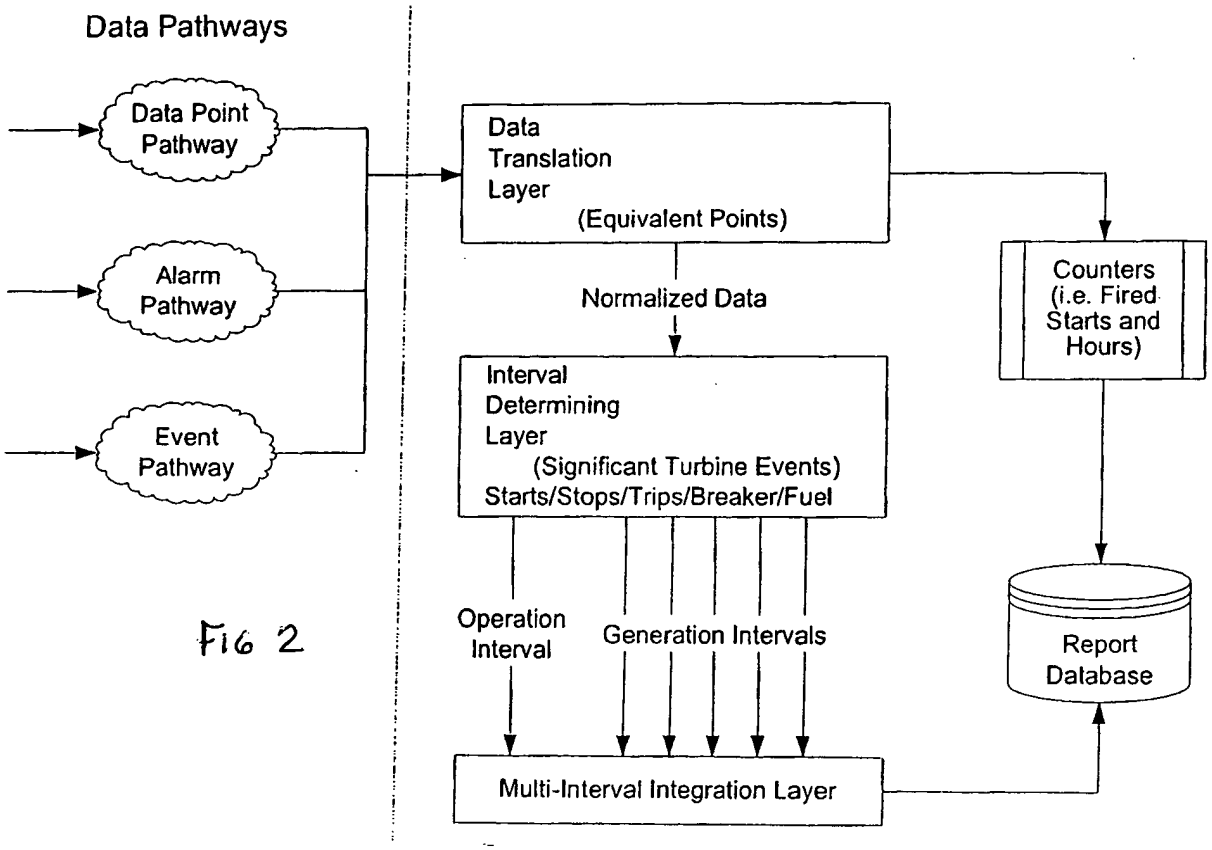
Data Pathways
Data Point Pathway
Alarm Pathway
Event Pathway
Data Translation Layer
(Equivalent Points)
Normalized Data
Interval Determining Layer
(Significant Turbine Events)
Starts/Stops/Trips/Breaker/Fuel
Operation Interval
Generation Intervals
Multi-Interval Integration Layer
Counters (i.e. Fired Starts and Hours)
Report Database

Fig 2

Examples of Data Translation Layer Processing

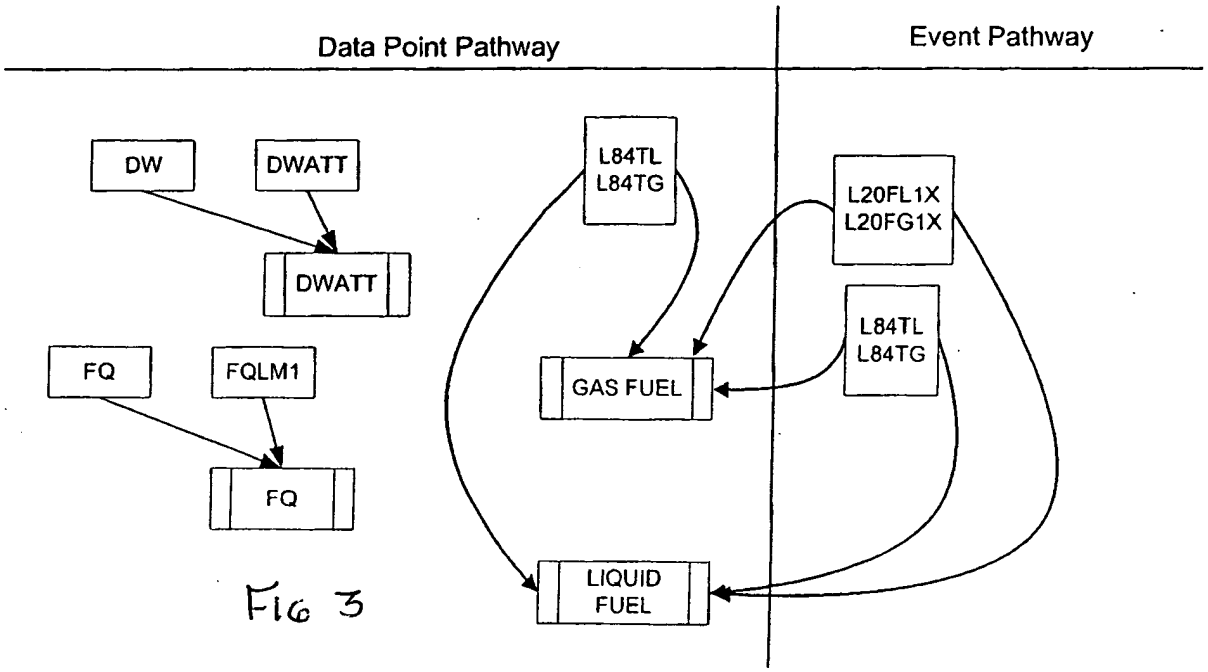


Fig 3

Example of Interval Determination

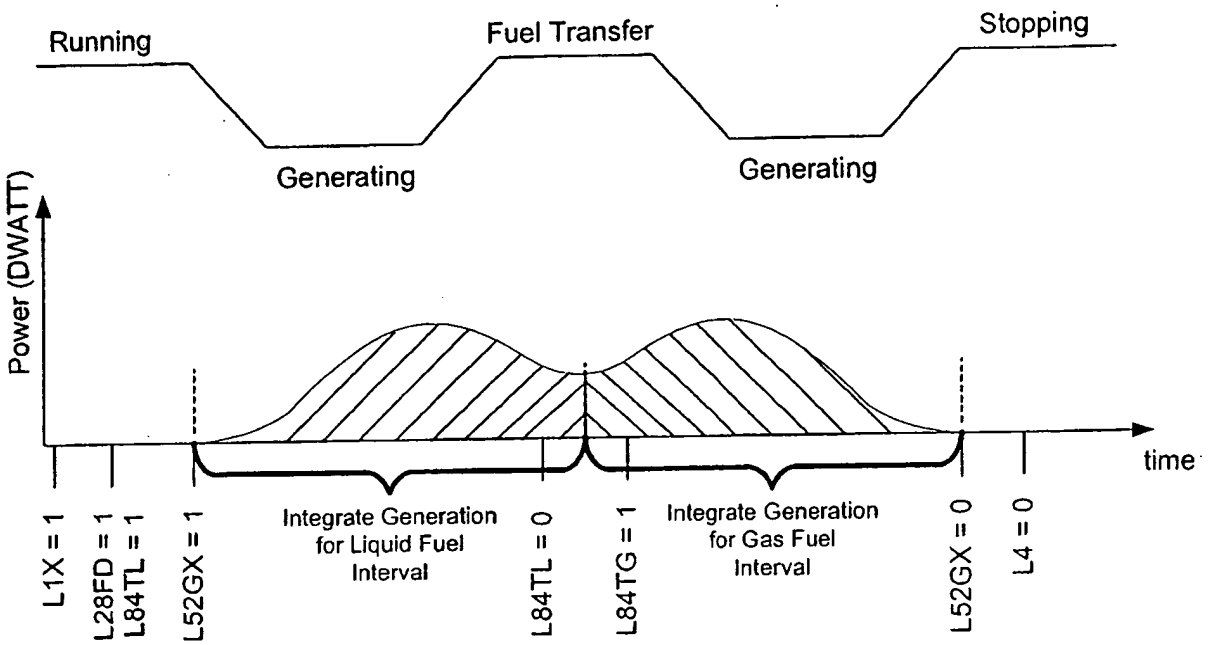


Fig 4

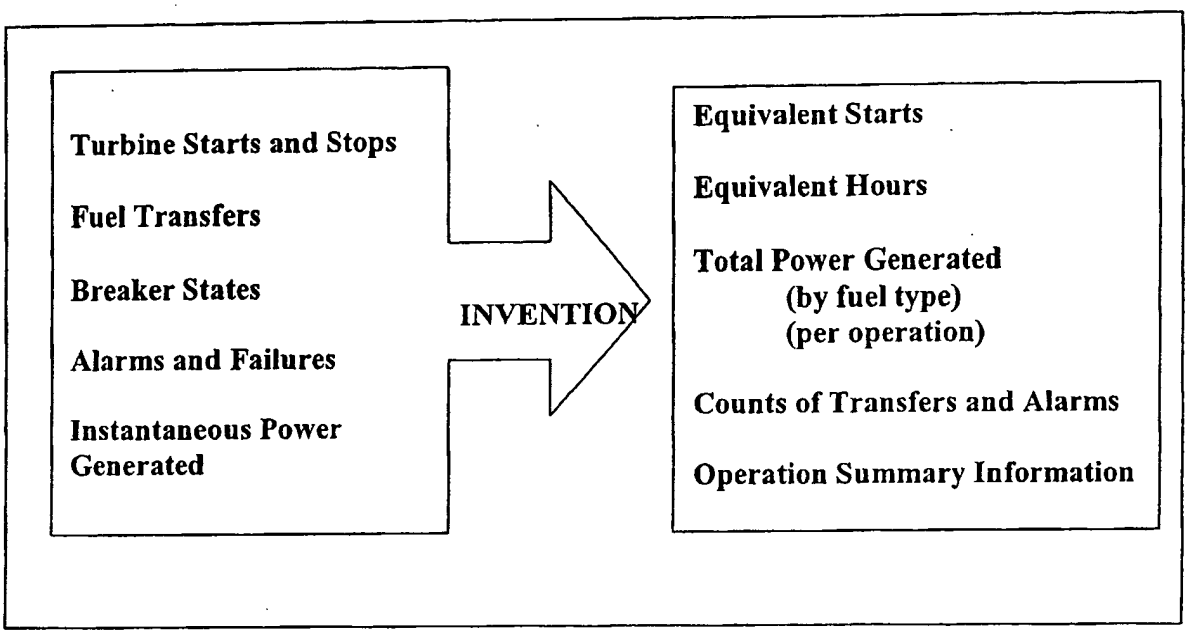
Turbine Starts and Stops
Fuel Transfers
Breaker States
Alarms and Failures
Instantaneous Power Generated
INVENTION
Equivalent Starts
Equivalent Hours
Total Power Generated
(by fuel type)
(per operation)
Counts of Transfers and Alarms
Operation Summary Information

FIG 5